

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
6 July 2006 (06.07.2006)

PCT

(10) International Publication Number  
**WO 2006/072048 A3**

(51) International Patent Classification:

A61K 38/04 (2006.01) C07K 16/00 (2006.01)  
C07K 5/00 (2006.01) C07K 17/00 (2006.01)  
C07K 7/00 (2006.01)

(21) International Application Number:

PCT/US2005/047572

(22) International Filing Date:

30 December 2005 (30.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/643,943 30 December 2004 (30.12.2004) US

(71) Applicant (for all designated States except US): THE TRUSTEES OF PRINCETON UNIVERSITY [US/US]; 5TH FLOOR, New South Building, P.O. Box 36, Princeton, NJ 08544 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SHI, Yigong [US/US]; 10 Barnyard Court, Plainsboro, NJ 08536 (US).

(74) Agents: COLBY, Gary. D. et al.; Duane Morris LLP, 30 South 17th Street, Philadelphia, PA 19103-4196 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:

18 January 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS AND METHODS FOR IDENTIFYING MODULATORS OF HAUSP

(57) Abstract: The disclosure relates to compositions and methods for modulating the biological activity of HAUSP protein. Among the activities that can be modulated are binding of HAUSP protein with proteins such as p53, MDM2, and EBNA1; modulation of HAUSP isopeptidase activity; and modulation of binding of HAUSP protein with ubiquitin and ubiquitinated proteins.

WO 2006/072048 A3